

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P696040

Luminaire Tested: **LXF.LXT-PA16-827-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696040
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5850 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

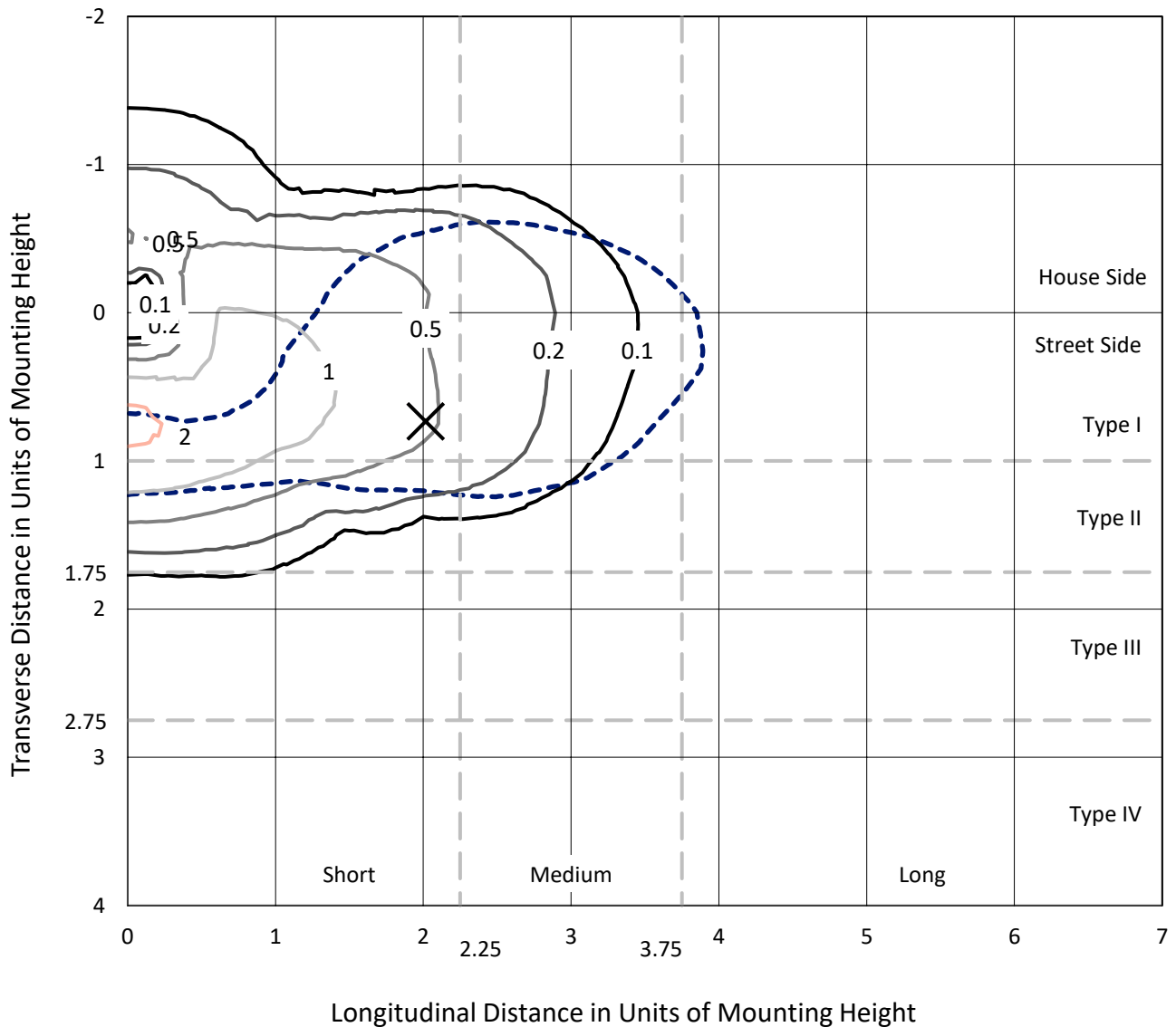
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

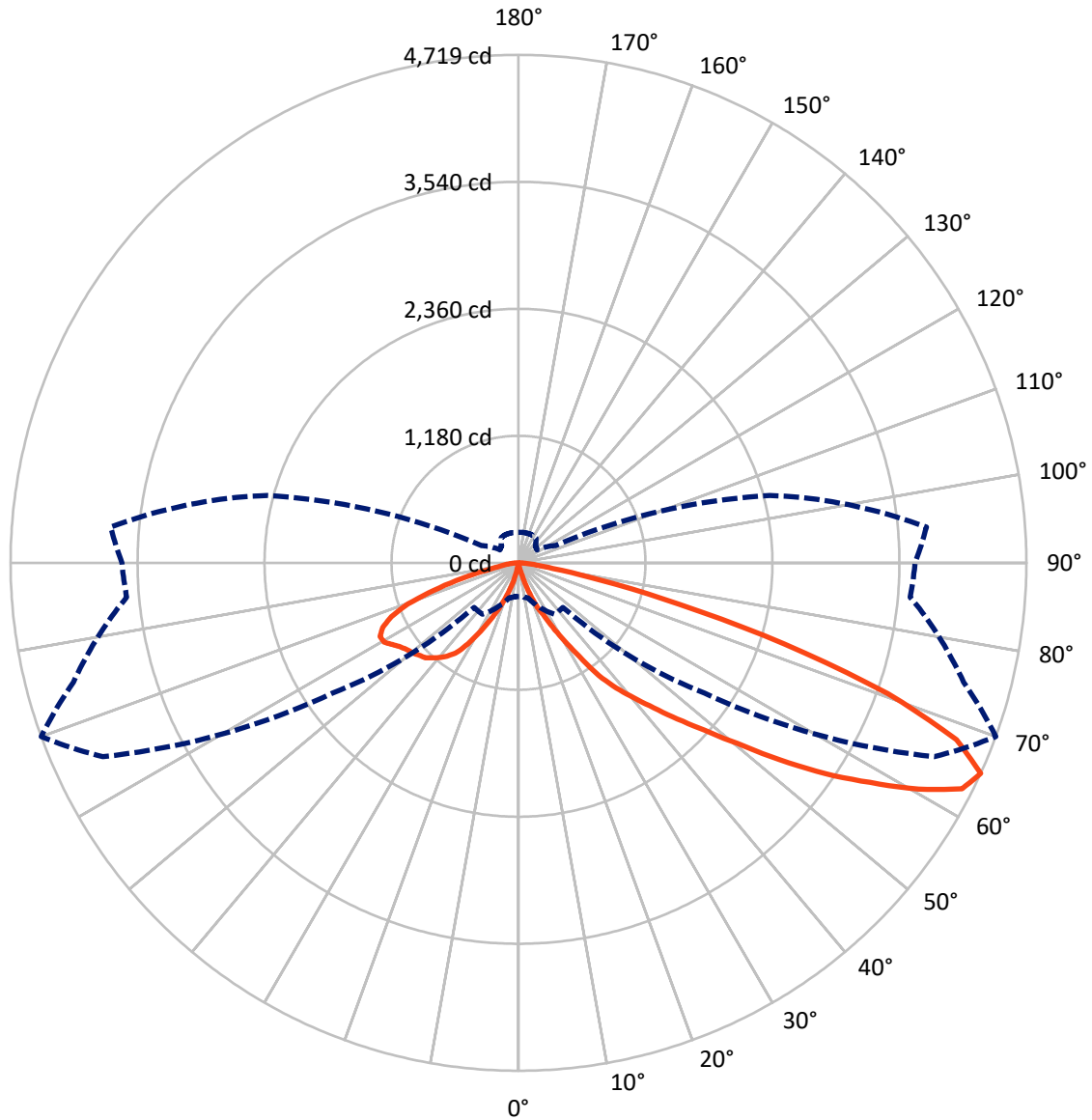
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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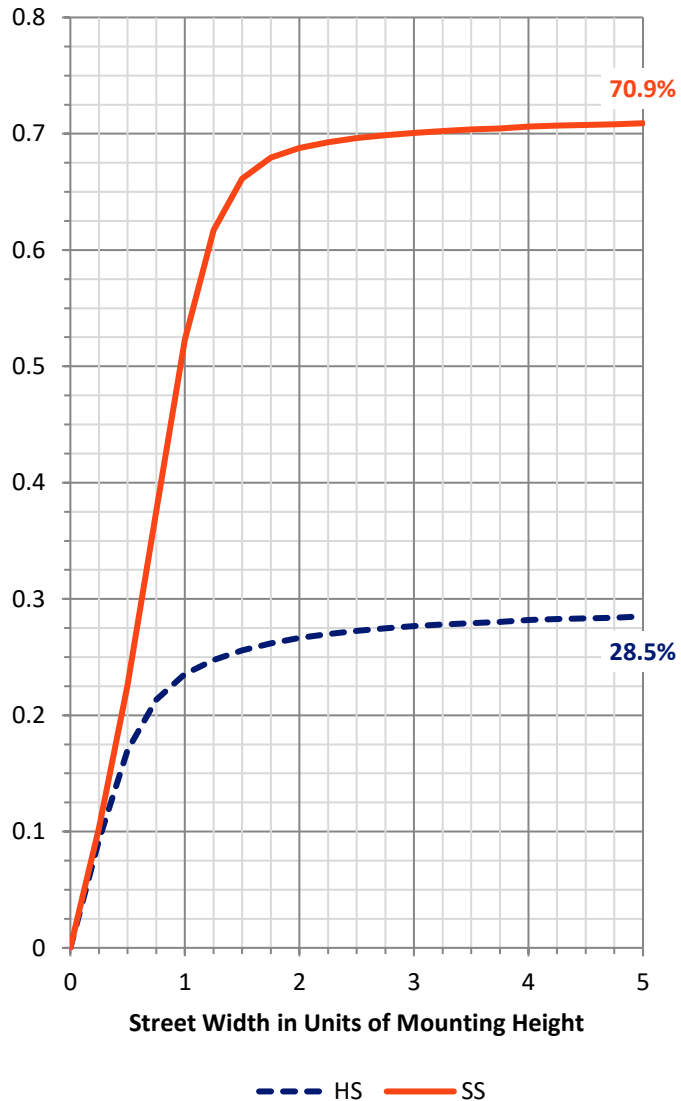
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1690.0	0.0	1690.0
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4160.0	0.0	4160.0
	% Fixture	71.1	0.0	71.1
Total	Lumens	5850.0	0.0	5850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	42.9	0.7
20°-30°	269.7	4.6
30°-40°	717.3	12.3
40°-50°	1227.7	21.0
50°-60°	1502.0	25.7
60°-70°	1348.7	23.1
70°-80°	664.3	11.4
80°-90°	77.4	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5850.0	100.0
0°-180°	5850.0	100.0

Coefficient of Utilization



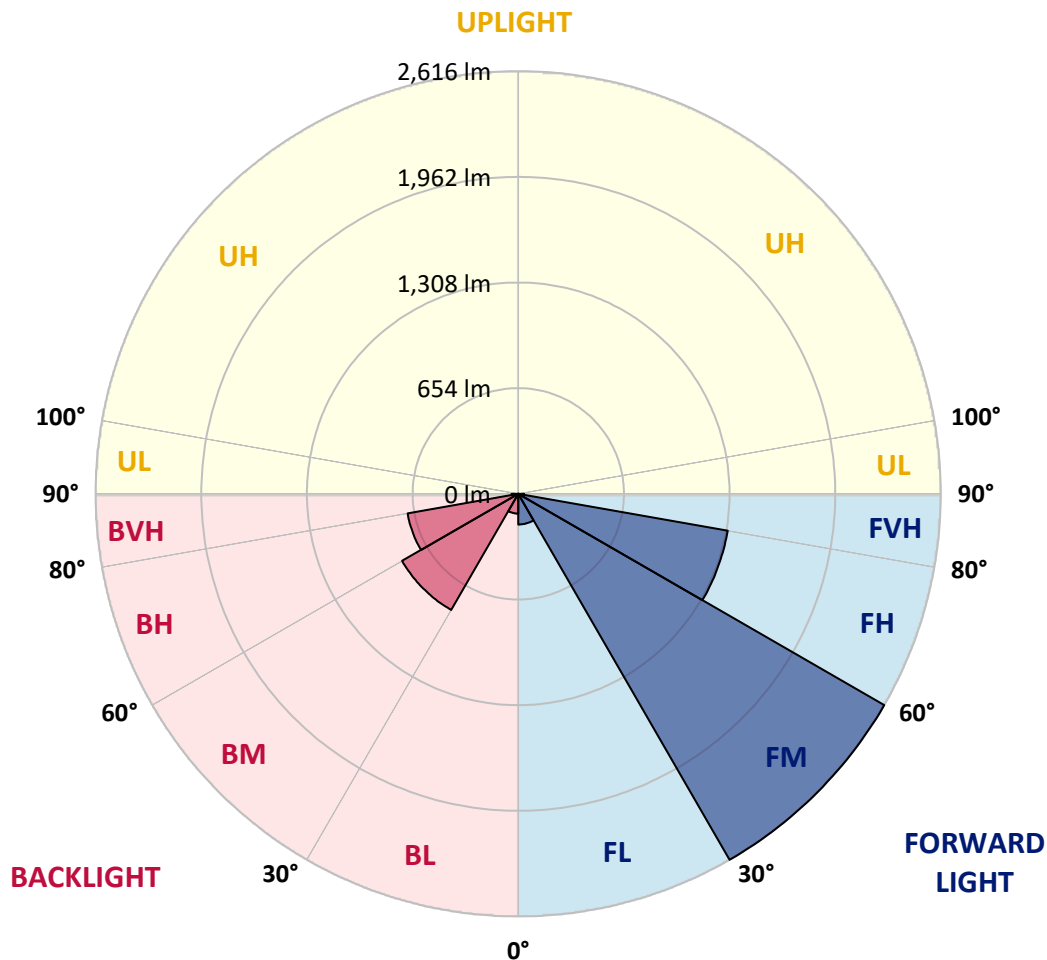
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	189.9	3.2			
FM (30°-60°)	2616.5	44.7			
FH (60°-80°)	1317.2	22.5			G1/1800
FVH (80°-90°)	36.5	0.6			G1/100
BL (0°-30°)	122.8	2.1	B1/500		
BM (30°-60°)	830.4	14.2	B1/1000		
BH (60°-80°)	695.8	11.9	B2/1000		G2/1000
BVH (80°-90°)	40.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0
5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
7.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
10°	13.6	13.6	11.7	7.8	3.9	1.9	1.9	3.9	3.9	3.9	5.8
12.5°	175.3	177.2	171.4	118.8	23.4	7.8	7.8	23.4	60.4	81.8	91.5
15°	200.6	200.6	196.7	192.8	185.0	40.9	74.0	113.0	118.8	169.5	188.9
17.5°	274.6	261.0	231.8	218.1	210.4	224.0	165.6	210.4	216.2	220.1	233.7
20°	522.0	512.3	494.7	411.0	290.2	319.4	303.9	270.7	325.3	338.9	344.8
22.5°	623.3	613.5	596.0	557.1	510.3	370.1	411.0	375.9	453.8	473.3	469.4
25°	1055.7	1049.8	894.0	666.1	664.2	580.4	541.5	508.4	529.8	596.0	627.2
27.5°	1219.3	1217.4	1168.7	1053.7	773.3	712.9	648.6	691.5	675.9	757.7	783.0
30°	1743.2	1640.0	1456.9	1209.6	1086.9	868.7	878.4	903.8	839.5	890.1	954.4
32.5°	2148.4	2130.9	2017.9	1612.7	1252.4	1071.3	1071.3	1081.0	1036.2	1075.2	1147.2
35°	2516.5	2481.4	2306.1	1918.5	1589.4	1301.1	1242.7	1297.2	1285.5	1285.5	1242.7
37.5°	2750.2	2742.4	2606.1	2208.8	1838.7	1492.0	1445.2	1474.5	1476.4	1482.2	1355.6
40°	2972.3	2952.8	2869.1	2471.7	2160.1	1733.5	1642.0	1688.7	1647.8	1675.1	1499.8
42.5°	3087.2	3061.9	3013.2	2744.4	2514.6	2177.6	1910.8	1881.5	1840.6	1871.8	1673.1
45°	3100.8	3044.4	3058.0	2910.0	2804.8	2563.3	2179.5	2084.1	2068.5	2088.0	1873.7
47.5°	2910.0	2853.5	2948.9	2910.0	2972.3	2841.8	2537.9	2356.8	2323.7	2335.4	2082.2
50°	2469.8	2463.9	2598.3	2736.6	2997.6	3034.6	2982.0	2652.9	2635.3	2627.5	2319.8
52.5°	2039.3	2014.0	2132.8	2341.2	2777.5	3026.8	3344.3	3030.7	3038.5	2948.9	2557.4
55°	1554.3	1583.5	1702.3	1869.9	2300.3	2869.1	3626.7	3523.5	3459.2	3258.6	2793.1
57.5°	948.6	1042.1	1232.9	1404.3	1838.7	2465.9	3657.9	3954.0	3850.7	3572.2	3034.6
60°	553.2	555.1	705.1	997.3	1326.4	1766.6	3451.4	4327.9	4271.4	3903.3	3280.0
62.5°	387.6	395.4	438.2	687.6	829.7	1098.5	2927.5	4489.6	4624.0	4146.8	3525.4
65°	313.6	313.6	337.0	449.9	584.3	584.3	2107.5	4261.7	4719.4	4281.2	3654.0
67.5°	294.1	294.1	305.8	329.2	451.9	385.7	1028.4	3685.2	4390.3	4209.1	3671.5
70°	261.0	261.0	284.4	294.1	352.5	296.1	442.1	2769.7	3642.3	3835.1	3552.7
72.5°	220.1	224.0	243.5	278.5	276.6	233.7	300.0	1677.0	2580.8	3034.6	3264.4
75°	181.1	185.0	198.7	227.9	255.2	177.2	239.6	827.8	1544.6	2027.6	2617.8
77.5°	142.2	140.2	159.7	185.0	208.4	136.3	175.3	360.3	769.4	1147.2	1566.0
80°	95.4	95.4	114.9	140.2	144.1	128.6	120.8	225.9	321.4	471.4	623.3
82.5°	60.4	62.3	74.0	87.6	99.3	109.1	87.6	138.3	167.5	190.9	179.2
85°	13.6	11.7	19.5	25.3	37.0	39.0	42.9	46.7	58.4	62.3	54.5
87.5°	0.0	0.0	1.9	1.9	1.9	3.9	3.9	7.8	7.8	9.7	9.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0
7.5°	0.0	0.0	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
10°	5.8	5.8	3.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	95.4	93.5	87.6	27.3	7.8	1.9	0.0	1.9	3.9	5.8	7.8
15°	190.9	188.9	179.2	120.8	101.3	13.6	5.8	27.3	124.7	173.4	179.2
17.5°	233.7	235.7	225.9	222.0	161.7	103.2	109.1	204.5	214.3	218.1	218.1
20°	344.8	342.8	337.0	301.9	225.9	202.6	261.0	224.0	231.8	239.6	243.5
22.5°	467.5	463.6	455.8	364.2	317.5	323.3	284.4	301.9	405.1	411.0	412.9
25°	613.5	599.9	557.1	475.3	457.7	393.4	418.8	389.6	397.3	399.3	397.3
27.5°	761.6	746.0	646.7	598.0	545.4	412.9	430.5	397.3	446.0	496.7	496.7
30°	917.4	888.2	773.3	728.5	617.4	496.7	420.7	440.2	449.9	448.0	448.0
32.5°	1090.7	1036.2	886.2	888.2	660.3	494.7	434.4	401.2	422.7	496.7	498.6
35°	1182.3	1112.2	1026.5	991.4	712.9	455.8	385.7	416.8	453.8	457.7	455.8
37.5°	1273.8	1182.3	1084.9	1077.1	685.6	414.9	377.9	395.4	411.0	405.1	405.1
40°	1396.5	1289.4	1195.9	1081.0	640.8	375.9	362.3	372.0	374.0	368.1	368.1
42.5°	1550.4	1425.8	1330.3	1047.9	559.0	350.6	346.7	352.5	356.4	348.6	346.7
45°	1731.6	1585.5	1464.7	1008.9	455.8	337.0	338.9	338.9	344.8	337.0	335.0
47.5°	1938.0	1786.1	1560.2	958.3	385.7	325.3	333.1	329.2	333.1	323.3	321.4
50°	2169.8	1998.4	1692.6	888.2	348.6	309.7	329.2	317.5	321.4	315.5	315.5
52.5°	2386.0	2238.0	1821.2	802.5	319.4	298.0	315.5	315.5	319.4	313.6	311.6
55°	2623.6	2499.0	1973.1	716.8	290.2	288.3	313.6	317.5	315.5	309.7	309.7
57.5°	2869.1	2806.7	2125.0	666.1	264.9	270.7	311.6	319.4	313.6	307.7	305.8
60°	3155.4	3192.4	2275.0	625.2	241.5	253.2	305.8	311.6	307.7	301.9	301.9
62.5°	3457.3	3583.9	2391.9	522.0	225.9	237.6	294.1	301.9	296.1	294.1	294.1
65°	3685.2	3804.0	2417.2	379.8	210.4	222.0	282.4	288.3	286.3	284.4	284.4
67.5°	3780.6	3813.7	2298.4	270.7	194.8	208.4	268.8	276.6	270.7	274.6	272.7
70°	3730.0	3560.5	1971.1	224.0	179.2	190.9	251.3	257.1	253.2	262.9	259.1
72.5°	3324.8	2978.1	1470.6	188.9	165.6	173.4	231.8	235.7	233.7	237.6	229.8
75°	2522.4	2115.3	919.3	167.5	150.0	153.9	206.5	214.3	208.4	206.5	198.7
77.5°	1455.0	1275.8	459.7	151.9	134.4	132.4	181.1	187.0	183.1	171.4	175.3
80°	539.5	446.0	206.5	132.4	116.9	111.0	150.0	155.8	151.9	140.2	140.2
82.5°	155.8	144.1	126.6	109.1	101.3	87.6	120.8	126.6	124.7	118.8	111.0
85°	48.7	50.6	64.3	70.1	74.0	62.3	91.5	91.5	83.8	76.0	62.3
87.5°	5.8	9.7	11.7	19.5	23.4	17.5	23.4	25.3	23.4	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)